BLOCK DIAGRAM

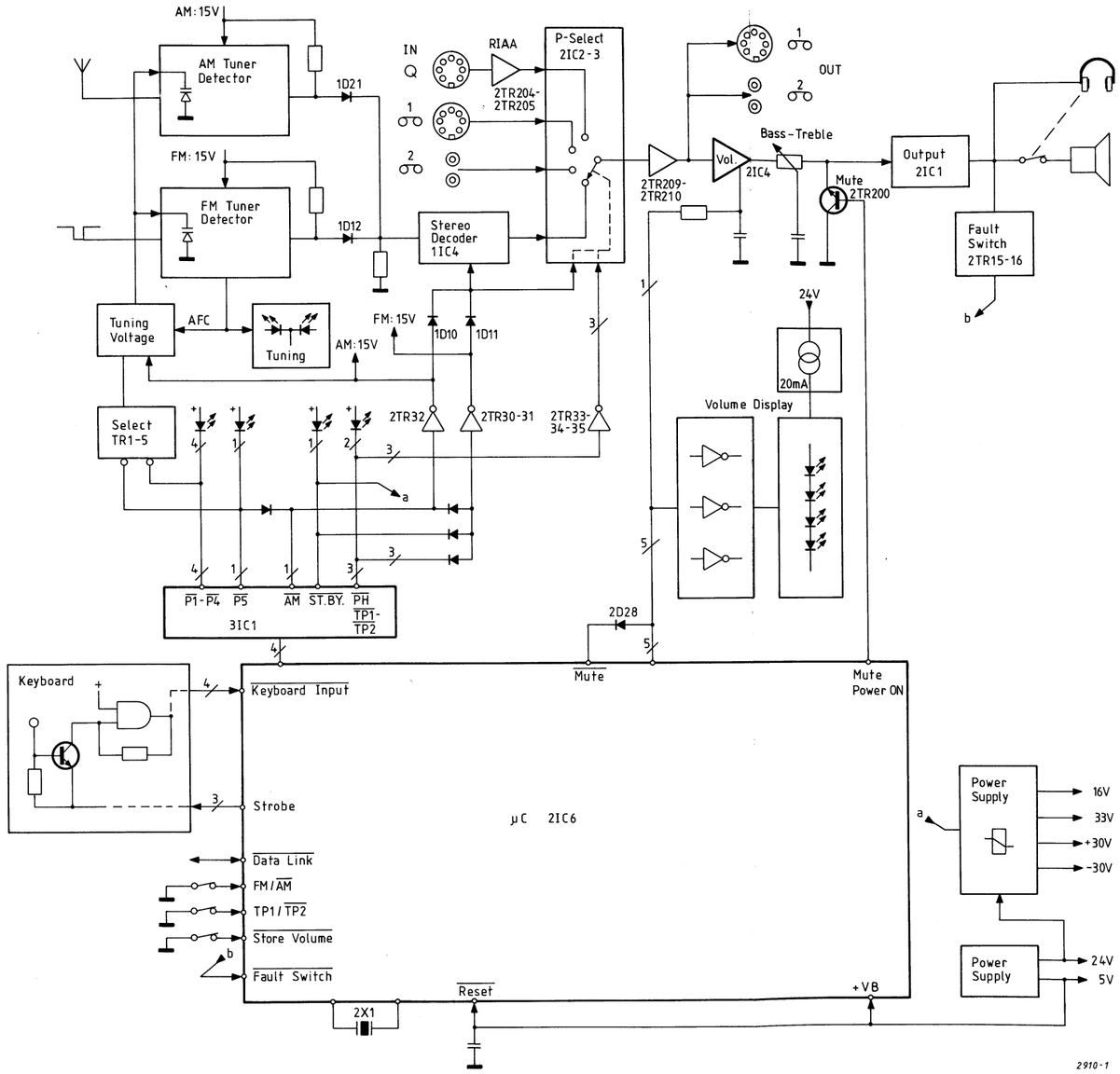


DIAGRAM A, type 2912/15/17 *From serial no. 2930001*

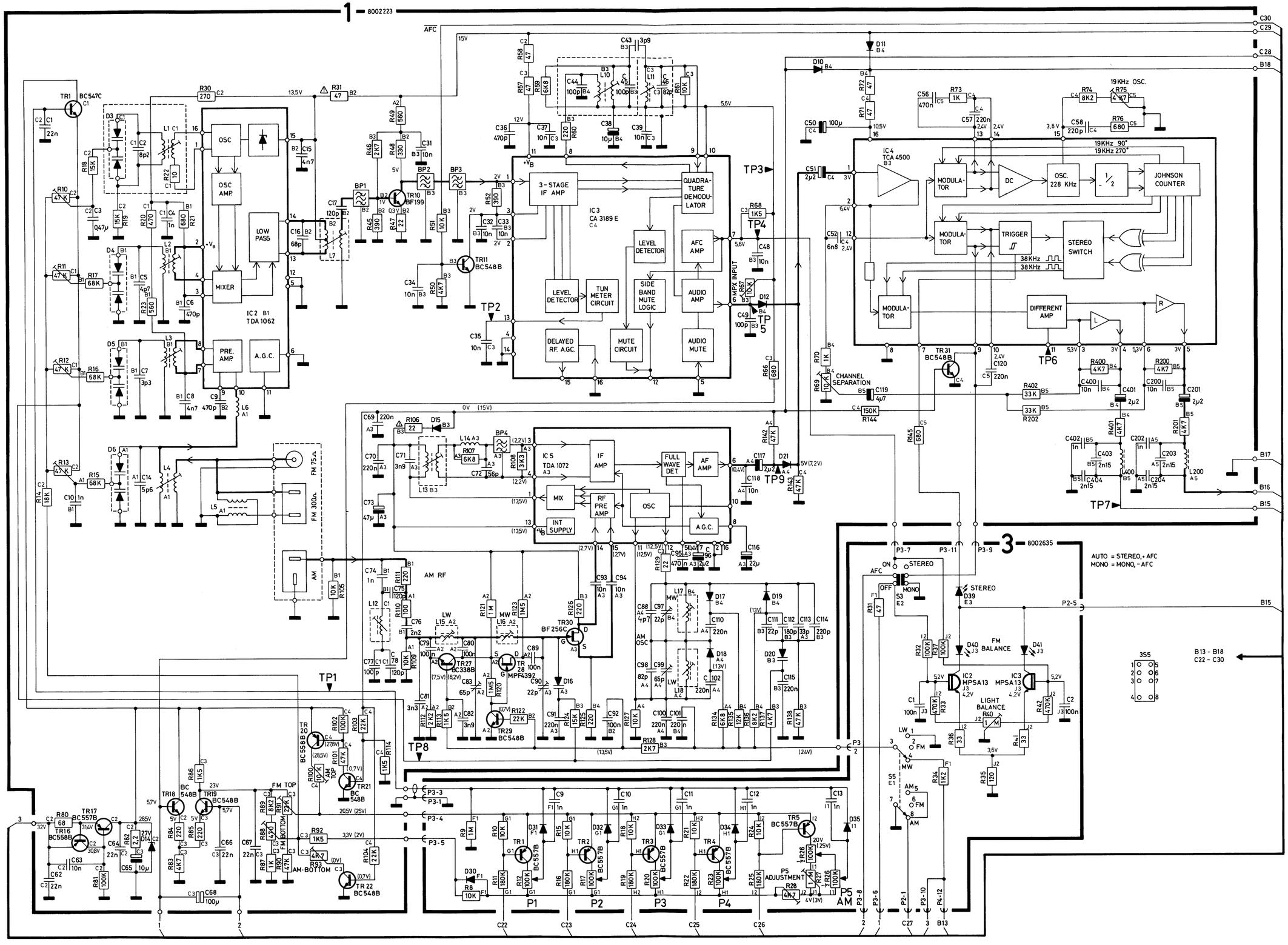


DIAGRAM B, all types

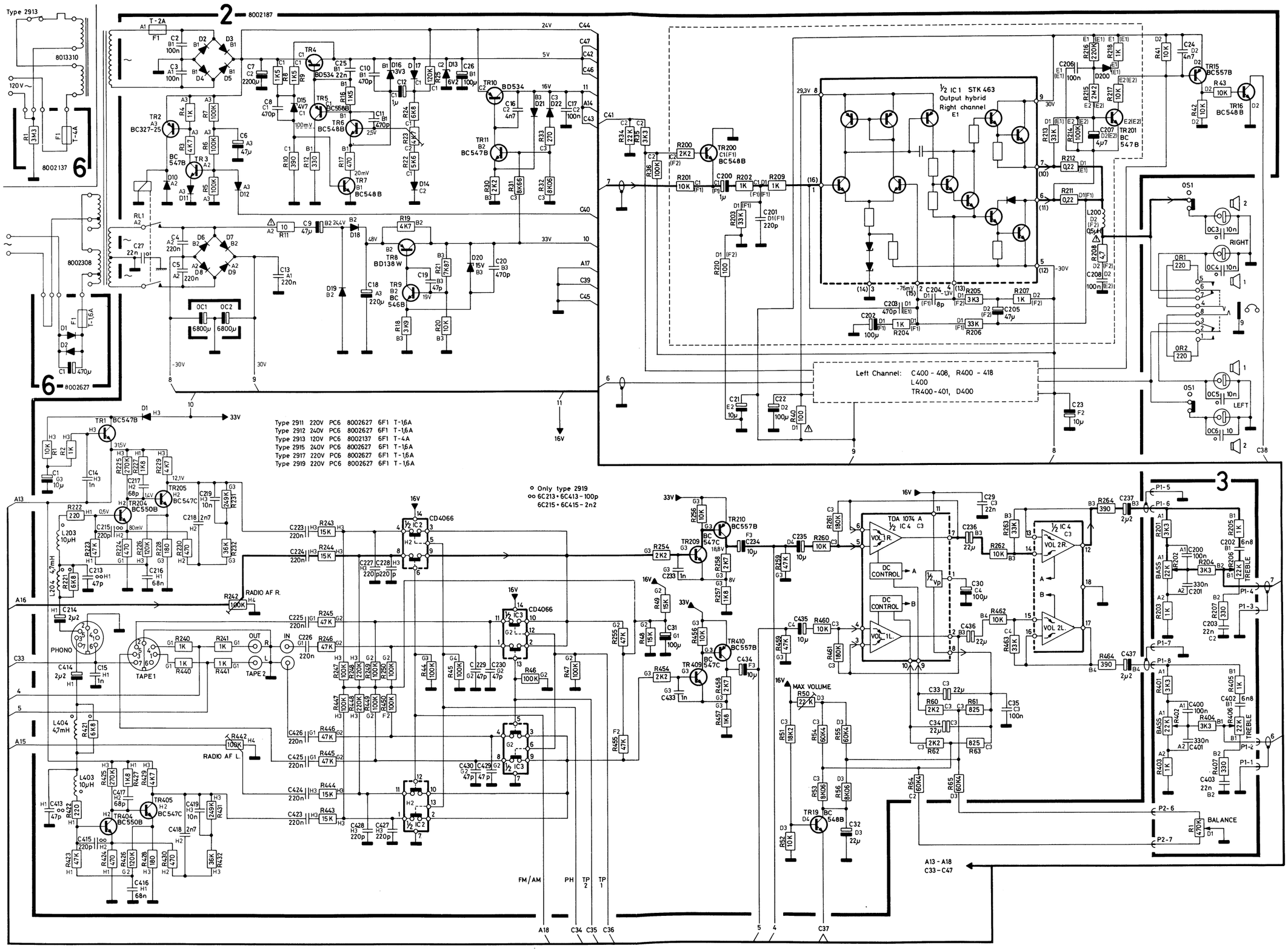
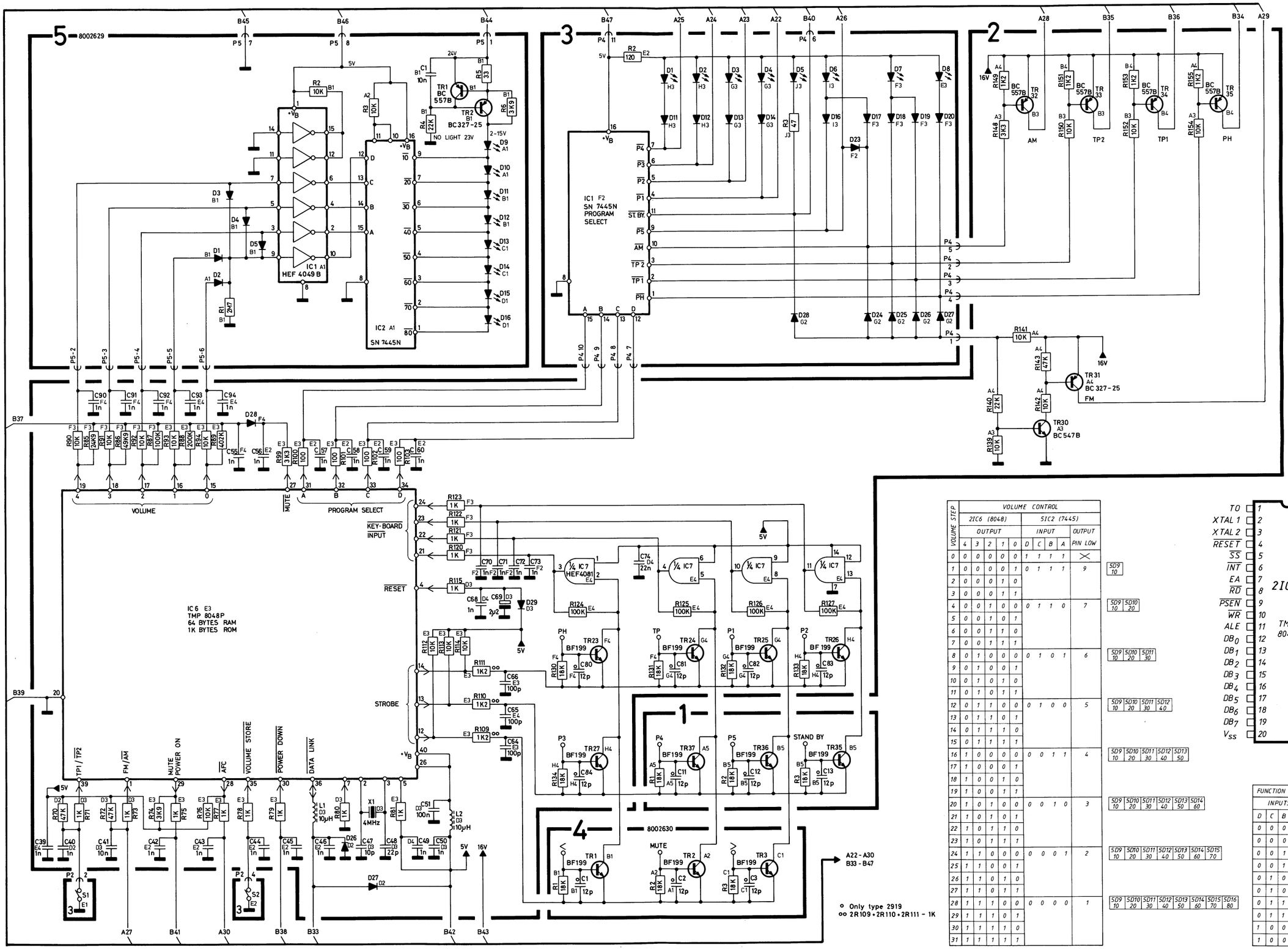


DIAGRAM C, all types



VOLUME STEP	VOLUME CONTROL 2IC6 (8048) OUTPUT 4	3	2	1	0	5IC2 (7445) INPUT D	C	B	A	OUTPUT PIN LOW	
0	0	0	0	0	0	1	1	1	1	X	
1	0	0	0	0	1	0	1	1	1	9	5D9 10
2	0	0	0	1	0						
3	0	0	0	1	1						
4	0	0	1	0	0	0	1	1	0	7	5D9 10 | 5D10 20
5	0	0	1	0	1						
6	0	0	1	1	0						
7	0	0	1	1	1						
8	0	1	0	0	0	0	1	0	1	6	5D9 10 | 5D10 20 | 5D11 30
9	0	1	0	0	1						
10	0	1	0	1	0						
11	0	1	0	1	1						
12	0	1	1	0	0	0	1	0	0	5	5D9 10 | 5D10 20 | 5D11 30 | 5D12 40
13	0	1	1	0	1						
14	0	1	1	1	0						
15	0	1	1	1	1						
16	1	0	0	0	0	0	0	1	1	4	5D9 10 | 5D10 20 | 5D11 30 | 5D12 40 | 5D13 50
17	1	0	0	0	1						
18	1	0	0	1	0						
19	1	0	0	1	1						
20	1	0	1	0	0	0	0	1	0	3	5D9 10 | 5D10 20 | 5D11 30 | 5D12 40 | 5D13 50 | 5D14 60
21	1	0	1	0	1						
22	1	0	1	1	0						
23	1	0	1	1	1						
24	1	1	0	0	0	0	0	0	1	2	5D9 10 | 5D10 20 | 5D11 30 | 5D12 40 | 5D13 50 | 5D14 60 | 5D15 70
25	1	1	0	0	1						
26	1	1	0	1	0						
27	1	1	0	1	1						
28	1	1	1	0	0	0	0	0	0	1	5D9 10 | 5D10 20 | 5D11 30 | 5D12 40 | 5D13 50 | 5D14 60 | 5D15 70 | 5D16 80
29	1	1	1	0	1						
30	1	1	1	1	0						
31	1	1	1	1	1						

T0	1	40	V_{CC}
XTAL 1	2	39	T1
XTAL 2	3	38	P27
$\overline{RESET}$	4	37	P26
$\overline{SS}$	5	36	P25
$\overline{INT}$	6	35	P24
EA	7	34	P17
$\overline{RD}$	8	33	P16
$\overline{PSEN}$	9	32	P15
$\overline{WR}$	10	31	P14
ALE	11	30	P13
DB_0	12	29	P12
DB_1	13	28	P11
DB_2	14	27	P10
DB_3	15	26	V_{DD}
DB_4	16	25	PROG
DB_5	17	24	P23
DB_6	18	23	P22
DB_7	19	22	P21
V_{SS}	20	21	P20

2IC6 TMP 8048

FUNCTION TABLE 3IC1 (7445) INPUTS D	C	B	A	FUNCTION	PIN LOW
0	0	0	0	PHONO	1
0	0	0	1	TAPE 1	2
0	0	1	0	TAPE 2	3
0	0	1	1	AM	4
0	1	0	0	P5	5
0	1	0	1	ST. BY	6
0	1	1	0	P1	7
0	1	1	1	P2	9
1	0	0	0	P3	10
1	0	0	1	P4	11